

PEBAX®

6333 SA 01

Polyether block amide **Pebax® 6333 SA 01 resin** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. This SA grade is suitable for food contact applications.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Molding Shrinkage, parallel	1.2 / *	%	ISO 294-4, 2577
Molding Shrinkage, normal	1.4 / *	%	ISO 294-4, 2577
MECHANICAL PROPERTIES			
Tensile Modulus	307 / 285	MPa	ISO 527-1/-2
	44500 / 41300	psi	
Yield stress	19 / 18	MPa	ISO 527-1/-2
	2760 / 2610	psi	
Yield strain	22 / 22	%	ISO 527-1/-2
Nominal Strain at Break	>50 / >50	%	ISO 527-1/-2
Shore D Hardness	58 / *	-	ISO 868
Charpy Impact Strength, +23°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / No Break	kJ/m²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 20	kJ/m²	ISO 179/1eA
	- / 9.51	ftlb/in²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	169 / *	°C	ISO 11357-1/-3
Vicat Softening Temperature, 50°C/h 50N	85 / *	°C	ISO 306
	185 / *	°F	
OTHER PROPERTIES			
Water Absorption	1.1 / *	%	Sim. to ISO 62
Humidity Absorption	0.7 / *	%	Sim. to ISO 62
Density	1010 / -	kg/m³	ISO 1183
	1.01 / -	g/cm³	

MAIN APPLICATIONS: • Athletic foot wear components

• Fibers

• Note: this grade is not recommended by Arkema for usage in medical applications. For such applications Pebax® SA 01

PEBAX®

6333 SA 01

MED should be used

PACKAGING:

This grade is delivered dried in sealed packaging (20 or 25 kg bags) ready to be processed.

SHELF LIFE:

Two years from the delivery. For any use above this limit, please refer to our technical services.

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 230°C / 260°C / 290°C
- Typical mold temperature : 25 – 60°C
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 65-75°C

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 210°C / 225°C / 240°C
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-6 hours at 65-75°C

PROCESSING Injection Molding, Other Extrusion	
DELIVERY FORM Pellets	
SPECIAL CHARACTERISTICS Heat Stabilized	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	